

**The Hawaii-California Pelagic Longline Vessels  
Quarterly Report  
1 January-31 March 2019<sup>1</sup>**

Fisheries Research and Monitoring Division (FRMD)  
Pacific Islands Fisheries Science Center (PIFSC), NOAA Fisheries  
NOAA Inouye Regional Center  
1845 Wasp Boulevard, Building 176, Honolulu, HI 96818

This quarterly report for the period 1 January-31 March 2019, contains summary data summaries of fishing effort and catch statistics as reported on longline log sheets for the Hawaii - California longline limited-entry fishery. Data in this report originate from the PIFSC Information Management System (Oracle) table LLDS\_REPORT\_STATS\_RFMO\_HC, representing preliminary data received as of 15 March 2020. Catch and effort statistics are based on date of longline haul. When a statistic (number of vessels, trips) involves dates of haul in two summary periods (i.e., years, semi-annual, quarters), the item is counted in both summary periods. Thus, a trip total is for “partial and completed” trips. As such, these statistics are not additive (i.e., sum of four quarters is not the total for the year).

The following tables show fishery statistics for the stated time period, area, and set type, and include effort (number of vessels, trips, sets, and hooks set). For each listed species, organized by pelagic management unit species (PMUS), the table includes the number of fish caught, kept, and released, and the catch per unit effort (CPUE), measured as the number of fish caught per 1,000 hooks.

References:

Pacific Islands Fisheries Science Center, 2020: Hawaii Longline Logbook,  
<https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2020: California Pelagic Longline Fishery,  
<https://www.fisheries.noaa.gov/inport/item/12906>

---

<sup>1</sup>PIFSC Data Report DR-20-005. Issued 04 September 2020  
<https://doi.org/10.25923/2xk0-ny60>

**Table 1.** For the period 1 January - 31 March, 2019, Hawaii and California permitted longline fisheries quarterly statistics for all fishing areas and all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 March, 2019  
 Set Types All sets  
 Fishing Area All Areas

Number of vessels active	140
Number of trips (partial or completed)	482
Number of sets	5,541
Number of hooks set	14,980,475

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	2,074	2,069	5	0.14
Striped marlin	6,753	6,661	92	0.45
Shortbill spearfish	6,045	5,952	93	0.40
Swordfish	4,204	4,070	134	0.28
Other billfishes	82	82	0	0.01
<b>Total</b>	<b>19,158</b>	<b>18,834</b>	<b>324</b>	<b>1.28</b>
<b>Shark PMUS</b>				
Blue shark	22,540	2	22,538	1.50
Mako sharks	1,322	209	1,113	0.09
Thresher sharks	2,521	29	2,492	0.17
Oceanic whitetip shark	133	0	133	0.01
Silky shark	110	0	110	0.01
<b>Total</b>	<b>26,626</b>	<b>240</b>	<b>26,386</b>	<b>1.78</b>
<b>Tuna PMUS</b>				
Albacore	833	828	5	0.06
Bigeye tuna	58,335	56,957	1,378	3.89
Yellowfin tuna	15,253	14,826	427	1.02
Bluefin tuna	1	1	0	0.00
Skipjack tuna	10,370	10,267	103	0.69
Other tunas	0	0	0	0.00
<b>Total</b>	<b>84,792</b>	<b>82,879</b>	<b>1,913</b>	<b>5.66</b>
<b>Other PMUS</b>				
Mahimahi	12,600	12,561	39	0.84
Moonfish	5,158	5,134	24	0.34
Wahoo	7,749	7,726	23	0.52
Oilfish	4,617	4,034	583	0.31
Pomfret	14,838	14,769	69	0.99
<b>Total</b>	<b>44,962</b>	<b>44,224</b>	<b>738</b>	<b>3.00</b>
<b>Total PMUS</b>	<b>175,538</b>	<b>146,177</b>	<b>29,361</b>	<b>11.72</b>
Non-PMUS Sharks	51	0	51	0.00
<b>Total Non-PMUS</b>	<b>707</b>	<b>41</b>	<b>666</b>	<b>0.05</b>
<b>Total All Species</b>	<b>176,245</b>	<b>146,218</b>	<b>30,027</b>	<b>11.76</b>

**Table 2.** For the period 1 January - 31 March, 2019, Hawaii and California permitted longline fisheries quarterly statistics for fishing within the U.S. EEZ (Main Hawaiian Islands, Northwest Hawaiian Islands, or the Pacific Remote Islands, and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 March, 2019  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

Number of vessels active	113
Number of trips (partial or completed)	237
Number of sets	1,499
Number of hooks set	4,101,059

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	687	686	1	0.17
Striped marlin	2,582	2,575	7	0.63
Shortbill spearfish	1,590	1,564	26	0.39
Swordfish	236	233	3	0.06
Other billfishes	14	14	0	0.00
<b>Total</b>	<b>5,109</b>	<b>5,072</b>	<b>37</b>	<b>1.25</b>
<b>Shark PMUS</b>				
Blue shark	6,288	0	6,288	1.53
Mako sharks	297	64	233	0.07
Thresher sharks	394	2	392	0.10
Oceanic whitetip shark	47	0	47	0.01
Silky shark	50	0	50	0.01
<b>Total</b>	<b>7,076</b>	<b>66</b>	<b>7,010</b>	<b>1.73</b>
<b>Tuna PMUS</b>				
Albacore	36	36	0	0.01
Bigeye tuna	13,422	13,227	195	3.27
Yellowfin tuna	3,301	3,244	57	0.80
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,920	1,903	17	0.47
Other tunas	0	0	0	0.00
<b>Total</b>	<b>18,679</b>	<b>18,410</b>	<b>269</b>	<b>4.55</b>
<b>Other PMUS</b>				
Mahimahi	2,372	2,362	10	0.58
Moonfish	671	670	1	0.16
Wahoo	1,304	1,304	0	0.32
Oilfish	1,212	1,104	108	0.30
Pomfret	4,398	4,382	16	1.07
<b>Total</b>	<b>9,957</b>	<b>9,822</b>	<b>135</b>	<b>2.43</b>
<b>Total PMUS</b>	<b>40,821</b>	<b>33,370</b>	<b>7,451</b>	<b>9.95</b>
Non-PMUS Sharks	22	0	22	0.01
<b>Total Non-PMUS</b>	<b>38</b>	<b>9</b>	<b>29</b>	<b>0.01</b>
<b>Total All Species</b>	<b>40,859</b>	<b>33,379</b>	<b>7,480</b>	<b>9.96</b>

**Table 3.** For the period 1 January - 31 March, 2019, Hawaii and California permitted longline fisheries quarterly statistics for fishing outside the U.S. EEZ and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 March, 2019  
 Set Types All sets  
 Fishing Area Outside U.S. EEZ

Number of vessels active	138
Number of trips (partial or completed)	398
Number of sets	4,042
Number of hooks set	10,879,416

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	1,387	1,383	4	0.13
Striped marlin	4,171	4,086	85	0.38
Shortbill spearfish	4,455	4,388	67	0.41
Swordfish	3,968	3,837	131	0.36
Other billfishes	68	68	0	0.01
<b>Total</b>	<b>14,049</b>	<b>13,762</b>	<b>287</b>	<b>1.29</b>
<b>Shark PMUS</b>				
Blue shark	16,252	2	16,250	1.49
Mako sharks	1,025	145	880	0.09
Thresher sharks	2,127	27	2,100	0.20
Oceanic whitetip shark	86	0	86	0.01
Silky shark	60	0	60	0.01
<b>Total</b>	<b>19,550</b>	<b>174</b>	<b>19,376</b>	<b>1.80</b>
<b>Tuna PMUS</b>				
Albacore	797	792	5	0.07
Bigeye tuna	44,913	43,730	1,183	4.13
Yellowfin tuna	11,952	11,582	370	1.10
Bluefin tuna	1	1	0	0.00
Skipjack tuna	8,450	8,364	86	0.78
Other tunas	0	0	0	0.00
<b>Total</b>	<b>66,113</b>	<b>64,469</b>	<b>1,644</b>	<b>6.08</b>
<b>Other PMUS</b>				
Mahimahi	10,228	10,199	29	0.94
Moonfish	4,487	4,464	23	0.41
Wahoo	6,445	6,422	23	0.59
Oilfish	3,405	2,930	475	0.31
Pomfret	10,440	10,387	53	0.96
<b>Total</b>	<b>35,005</b>	<b>34,402</b>	<b>603</b>	<b>3.22</b>
<b>Total PMUS</b>	<b>134,717</b>	<b>112,807</b>	<b>21,910</b>	<b>12.38</b>
Non-PMUS Sharks	29	0	29	0.00
<b>Total Non-PMUS</b>	<b>669</b>	<b>32</b>	<b>637</b>	<b>0.06</b>
<b>Total All Species</b>	<b>135,386</b>	<b>112,839</b>	<b>22,547</b>	<b>12.44</b>

**Table 4.** For the period 1 January - 31 March, 2019, Hawaii and California permitted longline fisheries quarterly statistics for all fishing areas and with shallow set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 March, 2019  
 Set Types Shallow sets  
 Fishing Area All Areas

Number of vessels active	14
Number of trips (partial or completed)	25
Number of sets	284
Number of hooks set	351,059

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	0	0	0	0.00
Striped marlin	12	9	3	0.03
Shortbill spearfish	18	13	5	0.05
Swordfish	3,435	3,317	118	9.78
Other billfishes	3	3	0	0.01
<b>Total</b>	<b>3,468</b>	<b>3,342</b>	<b>126</b>	<b>9.88</b>
<b>Shark PMUS</b>				
Blue shark	2,993	0	2,993	8.53
Mako sharks	197	98	99	0.56
Thresher sharks	5	0	5	0.01
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
<b>Total</b>	<b>3,195</b>	<b>98</b>	<b>3,097</b>	<b>9.10</b>
<b>Tuna PMUS</b>				
Albacore	81	81	0	0.23
Bigeye tuna	874	838	36	2.49
Yellowfin tuna	331	327	4	0.94
Bluefin tuna	0	0	0	0.00
Skipjack tuna	20	16	4	0.06
Other tunas	0	0	0	0.00
<b>Total</b>	<b>1,306</b>	<b>1,262</b>	<b>44</b>	<b>3.72</b>
<b>Other PMUS</b>				
Mahimahi	247	246	1	0.70
Moonfish	31	31	0	0.09
Wahoo	3	3	0	0.01
Oilfish	56	38	18	0.16
Pomfret	5	5	0	0.01
<b>Total</b>	<b>342</b>	<b>323</b>	<b>19</b>	<b>0.97</b>
<b>Total PMUS</b>	<b>8,311</b>	<b>5,025</b>	<b>3,286</b>	<b>23.67</b>
Non-PMUS Sharks	0	0	0	0.00
<b>Total Non-PMUS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total All Species</b>	<b>8,311</b>	<b>5,025</b>	<b>3,286</b>	<b>23.67</b>

**Table 5.** For the period 1 January - 31 March, 2019, Hawaii and California permitted longline fisheries quarterly statistics for all fishing areas and with deep set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 March, 2019  
 Set Types Deep sets  
 Fishing Area All Areas

Number of vessels active	136
Number of trips (partial or completed)	457
Number of sets	5,257
Number of hooks set	14,629,416

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	2,074	2,069	5	0.14
Striped marlin	6,741	6,652	89	0.46
Shortbill spearfish	6,027	5,939	88	0.41
Swordfish	769	753	16	0.05
Other billfishes	79	79	0	0.01
<b>Total</b>	<b>15,690</b>	<b>15,492</b>	<b>198</b>	<b>1.07</b>
<b>Shark PMUS</b>				
Blue shark	19,547	2	19,545	1.34
Mako sharks	1,125	111	1,014	0.08
Thresher sharks	2,516	29	2,487	0.17
Oceanic whitetip shark	133	0	133	0.01
Silky shark	110	0	110	0.01
<b>Total</b>	<b>23,431</b>	<b>142</b>	<b>23,289</b>	<b>1.60</b>
<b>Tuna PMUS</b>				
Albacore	752	747	5	0.05
Bigeye tuna	57,461	56,119	1,342	3.93
Yellowfin tuna	14,922	14,499	423	1.02
Bluefin tuna	1	1	0	0.00
Skipjack tuna	10,350	10,251	99	0.71
Other tunas	0	0	0	0.00
<b>Total</b>	<b>83,486</b>	<b>81,617</b>	<b>1,869</b>	<b>5.71</b>
<b>Other PMUS</b>				
Mahimahi	12,353	12,315	38	0.84
Moonfish	5,127	5,103	24	0.35
Wahoo	7,746	7,723	23	0.53
Oilfish	4,561	3,996	565	0.31
Pomfret	14,833	14,764	69	1.01
<b>Total</b>	<b>44,620</b>	<b>43,901</b>	<b>719</b>	<b>3.05</b>
<b>Total PMUS</b>	<b>167,227</b>	<b>141,152</b>	<b>26,075</b>	<b>11.43</b>
Non-PMUS Sharks	51	0	51	0.00
<b>Total Non-PMUS</b>	<b>707</b>	<b>41</b>	<b>666</b>	<b>0.05</b>
<b>Total All Species</b>	<b>167,934</b>	<b>141,193</b>	<b>26,741</b>	<b>11.48</b>